\*\*Note – These are resources that are currently being referenced during the test development phase. There is a potential that additional resources will be included.

## **Water Treatment**

### Small Water Systems Textbooks

The Office of Water Programs (2018). Small water system: Operation and maintenance (6th ed.) Sacramento State Water Programs.

### Grade 1 Textbooks

- American Water Works Association (2016). WSO water treatment, Grade 1. American Water Works Association.
- The Office of Water Programs (2017). Water treatment: Plant operation (7th ed., Vol. 1) Sacramento State Water Programs. (Volume 1 only)

#### Grade 2 Textbooks

- American Water Works Association (2016). WSO water treatment, Grade 2. American Water Works Association.
- The Office of Water Programs (2017). Water treatment: Plant operation (7th ed., Vol. 1) Sacramento State Water Programs. (Volume 1 only)

#### Grade 3 Textbooks

- American Water Works Association (2016). WSO water treatment, Grade 3 & 4. American Water Works Association.
- The Office of Water Programs (2017). Water treatment: Plant operation (7th ed., Vol. 1 and 2) Sacramento State Water Programs. (Volume 1 and Volume 2)

#### Grade 4 Textbooks

- American Water Works Association (2016). WSO water treatment, grade 3 & 4. American Water Works Association.
- The Office of Water Programs (2017). Water treatment: Plant operation (7th ed., Vol. 1 and 2) Sacramento State Water Programs. (Volume 1 and Volume 2)



# **Distribution Systems**

### Grade 1 and 2 Textbooks

- American Water Works Association (2016). WSO water distribution, grade 1 & 2. American Water Works Association. (\*Currently only referenced on distribution grade 1, but a potential resource for grade 2)
- American Water Works Association (2016). WSO water distribution, grade 3 & 4. American Water Works Association. (\*Currently only referenced on distribution grade 2, but a potential resource for grade 1)
- The Office of Water Programs (2018). Water distribution system: Operation and maintenance (7th ed.) Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)

### **Collection Systems**

#### Grade 1 and 2 Textbooks

- The Office of Water Programs (2018). Operation and maintenance of wastewater collection systems. (8th ed., Vol. 1). Sacramento State Water Programs.
- The Office of Water Programs (2010). Operation and maintenance of wastewater collection systems: A field study training program. (7th ed., Vol. 2). University Enterprises, Inc.
- The Office of Water Programs (2018). Collection systems: Methods for evaluating and improving performance. (3rd ed.). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)
- \*Water Environment Federation (2009). Wastewater collection systems management (6th ed., Vol. 7). McGraw Hill. (\*Not referenced in test development as of Jan 2022, but a potential resource)



## **Wastewater Treatment**

## Biological Natural Systems Textbooks

- The Office of Water Programs. (2012). Small wastewater system operation and maintenance: A field study training program (2nd ed., Vol. 1). Sacramento State Water Programs.
- The Office of Water Programs. (2012). Small wastewater system operation and maintenance: A field study training program (2nd ed., Vol. 2). Sacramento State Water Programs.

### Grade 1 Textbooks

- The Water Environment Federation. (2018). Wastewater treatment fundamentals I: Liquid treatment. Association of Boards of Certification.
- The Water Environment Federation. (2021). Wastewater treatment fundamentals II: Solids handling and support systems. Association of Boards of Certification.
- The Office of Water Programs. (2019). Operation of wastewater treatment plants.

  (8th ed., Vol. 1). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)
- The Office of Water Programs. (2007). Operation of wastewater treatment plants: A field study training program (7th ed., Vol. 2). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)

### Grade 2 Textbooks

- The Water Environment Federation. (2018). Wastewater treatment fundamentals I: Liquid treatment. Association of Boards of Certification.
- The Water Environment Federation. (2021). Wastewater treatment fundamentals II: Solids handling and support systems. Association of Boards of Certification.
- The Office of Water Programs. (2019). Operation of wastewater treatment plants.

  (8th ed., Vol. 1). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)
- The Office of Water Programs. (2007). Operation of wastewater treatment plants: A field study training program (7th ed., Vol. 2). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)



### Grade 3 Textbooks

- The Water Environment Federation. (2018). Wastewater treatment fundamentals I: Liquid treatment. Association of Boards of Certification.
- The Water Environment Federation. (2021). Wastewater treatment fundamentals II: Solids handling and support systems. Association of Boards of Certification.
- The Office of Water Programs. (2006). Advanced wastewater treatment: A field study training program (5th ed.). Sacramento State Water Programs.
- The Office of Water Programs. (2019). Operation of wastewater treatment plants.

  (8th ed., Vol. 1). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)
- The Office of Water Programs. (2007). Operation of wastewater treatment plants: A field study training program (7th ed., Vol. 2). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)

### Grade 4 Textbooks

- The Water Environment Federation. (2018). Wastewater treatment fundamentals I: Liquid treatment. Association of Boards of Certification.
- The Water Environment Federation. (2021). Wastewater treatment fundamentals II: Solids handling and support systems. Association of Boards of Certification.
- The Office of Water Programs. (2006). Advanced wastewater treatment: A field study training program (5th ed.). Sacramento State Water Programs.
- The Office of Water Programs. (2019). Operation of wastewater treatment plants.

  (8th ed., Vol. 1). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)
- The Office of Water Programs. (2007). Operation of wastewater treatment plants: A field study training program (7th ed., Vol. 2). Sacramento State Water Programs. (\*Not referenced in test development as of Jan 2022, but a potential resource)



## **Math**

### Water Treatment

Joanne Kirkpatrick Price. (1991) Applied math for water plant operators. CRC Press.

Joanne Kirkpatrick Price. (1991) Workbook – Applied math for water plant operators. CRC Press.

Fleming Training Center. Water treatment mathematical formulas (6<sup>th</sup> ed.)

## **Distribution Systems**

Fleming Training Center. Distribution systems mathematical formulas (5<sup>th</sup> ed.)

Joanne Kirkpatrick Price. (1991) Basic math concepts for water and wastewater plant operators. CRC Press.

### Collection Systems

Fleming Training Center. Collection systems mathematical formulas (1st ed.)

Joanne Kirkpatrick Price. (1991) Basic math concepts for water and wastewater plant operators. CRC Press.

### Wastewater Treatment

Joanne Kirkpatrick Price. (1991) Applied math for wastewater plant operators. CRC Press.

Joanne Kirkpatrick Price. (1991) Workbook – Applied math for wastewater plant operators. CRC Press.

Fleming Training Center. Wastewater treatment mathematical formulas (2<sup>nd</sup> ed.)

### Additional Math Resources

Frank R. Spellman. (2004) Mathematics manual for water and wastewater treatment plant Operators. CRC Press (\*Not referenced in test development as of Jan 2022, but a potential resource)

## Rules and Regulations

Tennessee Department of Environment and Conservation. (2006) Official compilation of rules and regulations (Chapters 0400 – 40 and 0400 - 45). Division of Water Resources.

